MES COLLEGE OF ENGINEERING, KUTTIPPURAM
DEPARTMENT OF COMPUTER APPLICATIONS
20MCA245 – MINI PROJECT

PRO FORMA FOR THE APPROVAL OF THE THIRD SEMESTER MINI PROJECT

(Note: All entries of the pro forma for approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)

Mini Project Proposal No : _____ *(Filled by the Department)*	Academic Year : 2021-2022 Year of Admission : 2020

1. Title of the Project : OCR Based Mobile Application
2. Name of the Guide : _____
3. Number of the Student: MES20MCA-2024
4. Student Details (in BLOCK LETTERS)

	Name	Roll Number	Signature
1.	KT VIMAL	24	

Date:01/12/2021

Approval Status : Approved / Not Approved

Signature of Committee Members

Comments of The Mini Project Guide — Dated Signature

Initial Submission :

First Review :

Second Review :

Comments of The Project Coordinator — Dated Signature

Initial Submission:

First Review

Second Review

Final Comments :

Dated Signature of HOD

Introduction:

OCR stands for Optical Character Recognition. It is a technology that recognizes text within a digital image. It is commonly used to recognize text in scanned documents and images. OCR software is able to go through documents and make the contents machine-readable. So that they can be worked with in an electronic format. It can be used for many different documents and allows many tasks to be automated.

Objectives:

The aim of this project is make text in books to digital text data. Thus the data can be documented. So that the retrieved data can be used in several places.

Problem Definition:

This application uses OCR in a way so that documentation can be done in a simple way. When we want to document something we type the content into the document using a keyboard which will take a lot of time. So to reduce the time needed and to make the documentation easy we use the OCR.

The text-to-speech and speech-to-text are also used so that the details we speak are turned to digital data and the digitalized data is read to the user. We can select the documents which are read to the user using text-to-speech. The file is saved in docx format in the mobile device.

Basic functionalities:

1.USER MODULE

- Registration
- Login
- Scan files
- Text to Speech
- Speech to Text
- Save files
- View files
- View user history

Tools / Platform, Hardware and Software Requirements:

Processor	-	Intel x86
Speed	-	1.1 GHz
RAM	-	4 GB (min)
Hard Disk	-	50 GB
Key Board	-	Standard Windows Keyboard
Mouse	-	Two or Three Button Mouse
Monitor	-	SVG
Operating System	-	Windows 7 or Above, Android
Frontend	-	Python, Java
Backend	-	MySQL
Platform used	-	JetBrains, PyCharm, Android Studio
Web Browser	-	Google Chrome, Fire fox, Microsoft Edge
Frame work	-	Flask